It we have k-1 regnesseers then we have & k-1 models, have else me cheesese the best? All the models are evaluated using the fallowing enterior 1) Coethicient of determination (R2) 2) Adjusted R2 3) Mallew's Statistic Cp 4) Akai Ke's Intermelieur Cortener (AIC) 5) Benjerian Intermutian Criteria (BIC) 1) Rp Y = Bo + B1 X, + \_\_ + Bp-1 Xp-1 + & = SSReg(P) = 1 - SSRes(P) SST SST inelep. et p!!! Ré is maximm when we have a full moeles RP explains the percenterge at total vernicularity which is explained by the model freem the response variethe \* Thumbo Rule: Chocese the model with the highest R2 Hænerer, it clees not consieler newly added tratures and dees not have p in the farmula (Np in SLR) 2) Adjusted R2 = 1 - USRes MST

